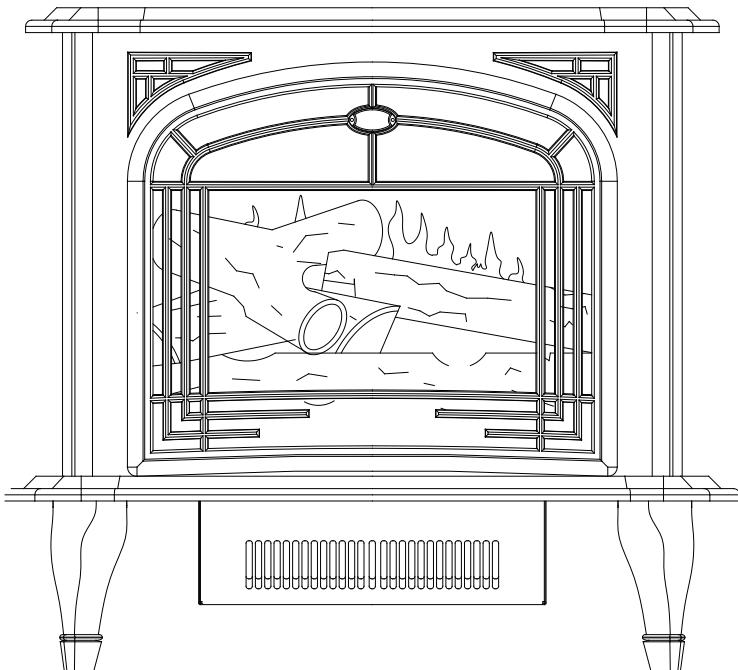




Better solutions through innovation



Service Manual

Model Number
CDS6599 - Celeste
TDS7599 - Rhapsody

IMPORTANT SAFETY INFORMATION: Always read this manual first before attempting to service this fireplace. For your safety, always comply with all warnings and safety instructions contained in this manual to prevent personal injury or property damage.

Dimplex North America Limited

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In keeping with our policy of continuous product development, we reserve the right to make changes without notice.

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Always use a qualified technician or service agency to repair this fireplace.

! NOTE: Procedures and techniques that are considered important enough to emphasize.

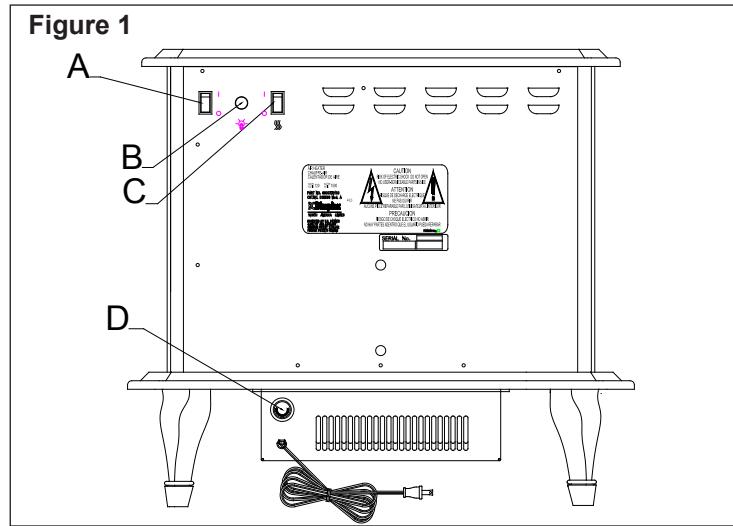
⚠ CAUTION: Procedures and techniques which, if not carefully followed, will result in damage to the equipment.

⚡ WARNING: Procedures and techniques which, if not carefully followed, will expose the user to the risk of fire, serious injury, or death.

Operation

To access the controls, go to the back of the stove.

Figure 1



A. ON/OFF SWITCH

The On/Off switch supplies power to all stove functions (heater & flame).

B. LIGHT DIMMER CONTROL

Controls the light intensity of the log bed display area. Rotate the knob to choose the desired setting.

C. HEATER SWITCH

The heater switch turns the heater function on and off.

D. HEATER THERMOSTAT CONTROL

To adjust the temperature to your individual requirements, turn the thermostat control clockwise all the way to turn on the heater. When the room reaches the desired temperature, turn the thermostat knob counter clockwise until you hear a click. Leave in this position to maintain the room temperature at this setting. For additional heat, turn clockwise until you hear the click again and the heater will turn on.

RESETTING THE TEMPERATURE CUTOFF SWITCH

Should the heater overheat, an automatic cut out will turn the heater off and it will not come back on without being reset. It can be reset by switching the On/Off Switch to OFF and waiting 5 minutes before switching the unit back on.

⚠ CAUTION: If you need to continuously reset the heater, unplug the unit and call Dimplex North America Limited at 1-800-346-7539.

OPTIONAL REMOTE CONTROL USAGE

1. Plug the stove into the outlet located on the side of the receiver.
2. Plug the receiver into the wall outlet.
3. Install a 9 volt battery into the remote control.
4. Turn the stove's On/Off switch to the On position prior to using the remote control.
5. The remote control works up to 50 feet away.
6. Push the On button to turn the stove On. Push the Off button to turn the stove off.

! NOTE: To prevent the risk of fire, the stove plug must be inserted fully into the receiver.

! NOTE: The remote control and receiver use one of 243 independent frequencies. When replacing the remote control or the receiver they must be replaced as a set to ensure proper operation. The frequency of the remote is located on the back of the remote on a label. (Figure 2)

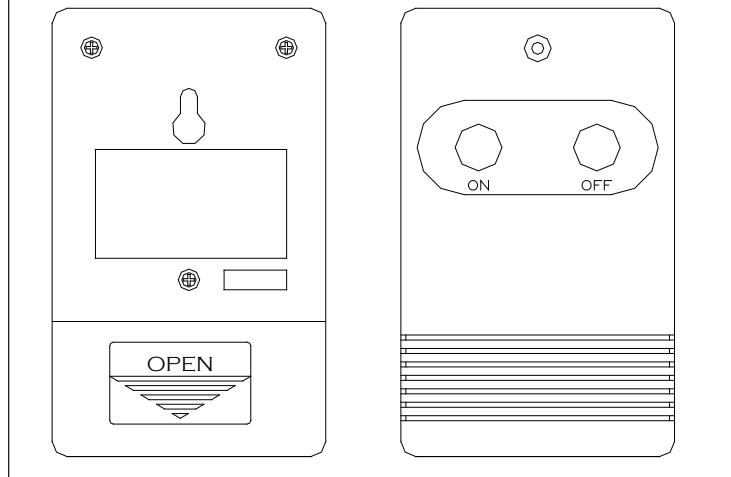
! NOTE: The fireplace On/Off switch must be in the ON position prior to using the Remote Control.

! NOTE: On/Off Remote Control may be used to control most other electrical devices including T.V.'s, stereos and lamps.

⚠ CAUTION: For indoor use in dry areas only

⚠ CAUTION: For use on 120 VAC electrical devices with 15 amp resistive load or 1/3 HP inductive load.

Figure 2



Maintenance

⚠ WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of fire, electric shock or damage to persons.

LIGHT BULB REPLACEMENT

⚠ CAUTION: Allow at least 5 minutes for light bulbs to cool off before touching bulbs to avoid accidental burning of skin.

Light bulbs need to be replaced when you notice a dark section of the flame or when the clarity and detail of the log exterior disappears. There are two bulbs under the log set which generate the flames and embers.

Tools Required: Flat head Screwdriver

Helpful Hints: It is a good idea to replace all light bulbs at one time if they are close to the end of their rated life. Group replacement will reduce the number of times you need to open the unit to replace light bulbs.

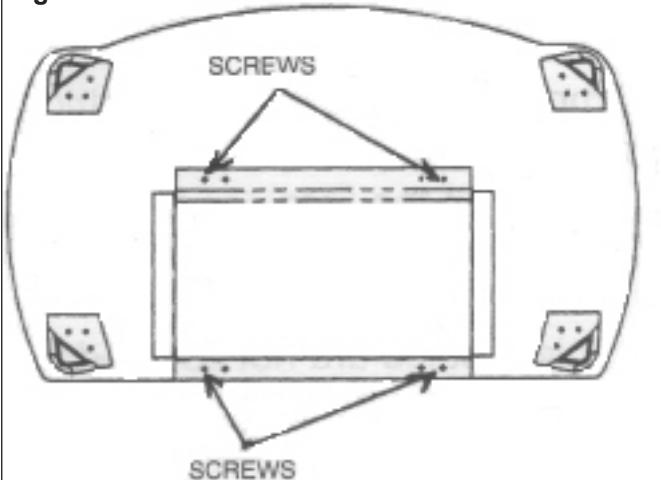
UPPER LIGHT BULB REQUIREMENTS:

MOD 0-C: 1 - 25 watt, 12 volt, 1156 Incandescent automotive bulb. **DO NOT EXCEED 25 WATTS**

MOD D: 1 - 15 watt candelabra E12 small base 120 volt. **DO NOT EXCEED 15 WATTS**

1. Remove the stove pipe kit (if equipped).
2. Remove the 2 screws at the upper corners of the back panel. (Figure 3) Lift the back end of the top to clear the brackets and pull back. Lift top carefully, and place to the side of the stove. Caution should be taken as the top mounting brackets may scratch the finish.
3. Remove the burnt out bulb by pushing in and turning counter-clockwise.
4. Replace the upper light bulb.
5. Reassemble in the reverse order as above.

Figure 3



LOWER LIGHT BULB REQUIREMENTS:

MOD 0-A: 3 - 35 watt, 12 volt, Narrow spot Halogen bulb **DO NOT EXCEED 35 WATTS PER BULB**

1. Remove the light cover mounting screws located on the rear cover and remove the light cover being careful not to damage any of the wiring or light bulbs.
2. Remove the burnt out bulb(s) by pulling straight out of socket. If bulbs are difficult to remove from socket move the bulb from side to side while pulling being careful not to damage the light socket.
3. Replace the upper light bulb.
4. Reassemble in the reverse order as above.

MOD B-D: 3 – 35 watt Halogen Quartz lamps, 120 volt, G9 base. **DO NOT EXCEED 35 WATTS PER BULB**

1. Remove the stove pipe kit (if equipped).
2. Gently place stove on its back on a flat surface.
3. Remove the heater cover retaining screws located on the bottom of the stove and lower heater and light assembly out onto the floor. (Figure 4)
4. Remove the burnt out bulb(s) by pulling straight out of socket. If bulbs are difficult to remove from socket move the bulb from side to side while pulling being careful not to damage the light socket.
5. Replace the lower light bulbs.
6. Reassemble in the reverse order as above.

GLASS CLEANING

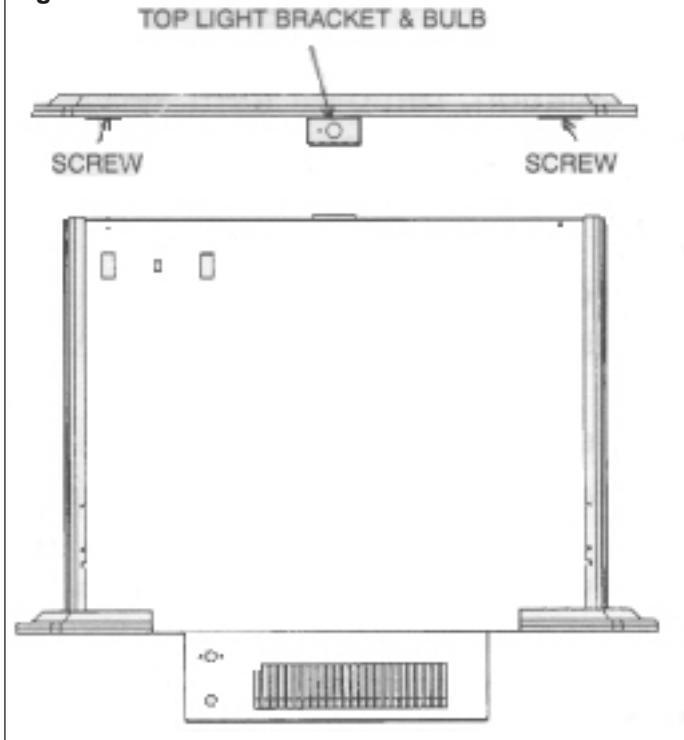
The clear door is cleaned in the factory during the assembly operation. During shipment, installation, handling, etc., the clear door may collect dust particles, these can be removed by dusting lightly with a clean dry cloth.

To remove fingerprints or other marks, the clear door can be cleaned with a damp cloth. The clear door should be completely dried with a lint free cloth to prevent water spots. To prevent scratching, do not use abrasive cleaners or spray liquids on the clear door surface.

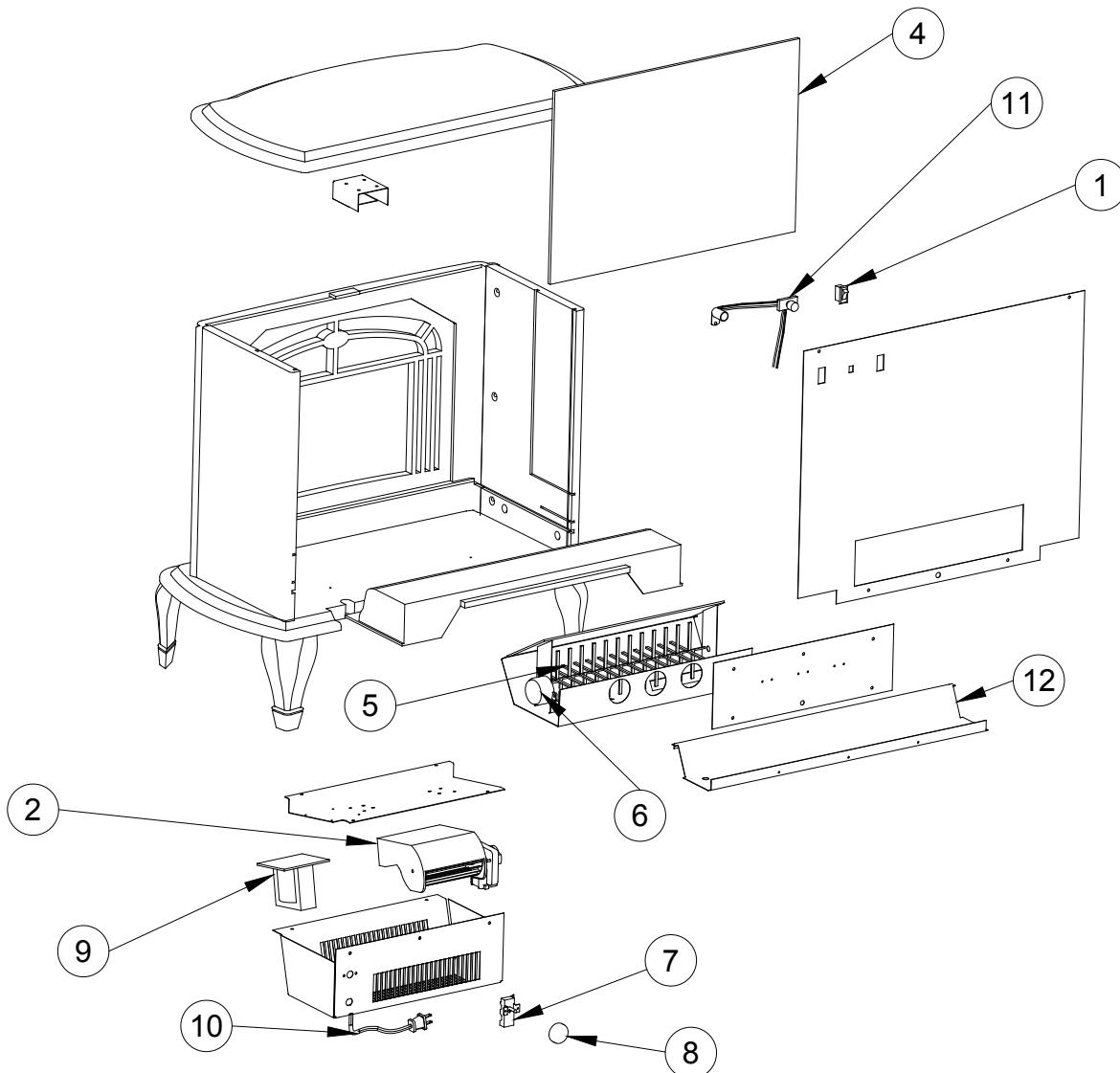
STOVE SURFACE CLEANING

Use warm water only to clean painted surfaces of the Compact Stove. Do not use abrasive cleaners.

Figure 3



Exploded Parts Diagram



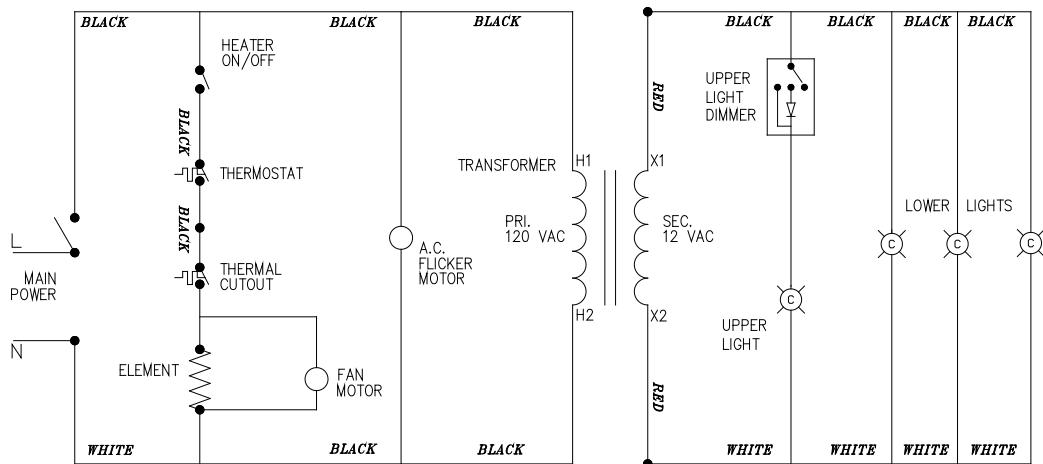
Replacement Parts List

MOD Level		NONE & MOD. A	MOD. B	MOD. C	MOD. D	
1.	On/Off Switch	2800070200RP				
2.	Heater Assembly	2000230100RP	6902430100RP (send 7206920100R01)			
3.	Log Set	Not Available		0438200200RP		
4.	Partially Reflective Glass	6900100600RP	5900060600RP			
5.	Flicker Rod	6900490100RP	5900080600RP			
6.	Flicker Motor	2000140300RP				
7.	Thermostat	2300150100RP				
8.	Thermostat Knob	8800000300RP				
9.	Transformer	2100170100RP	2100160100RP	N/A		
10.	Power Cord	4100040300RP				
11.	Upper Light Harness with Light Dimmer	2500120100RP		2500290100RP		
12.	Lower Light Harness	Not Available	2500110100RP	2500280100RP		

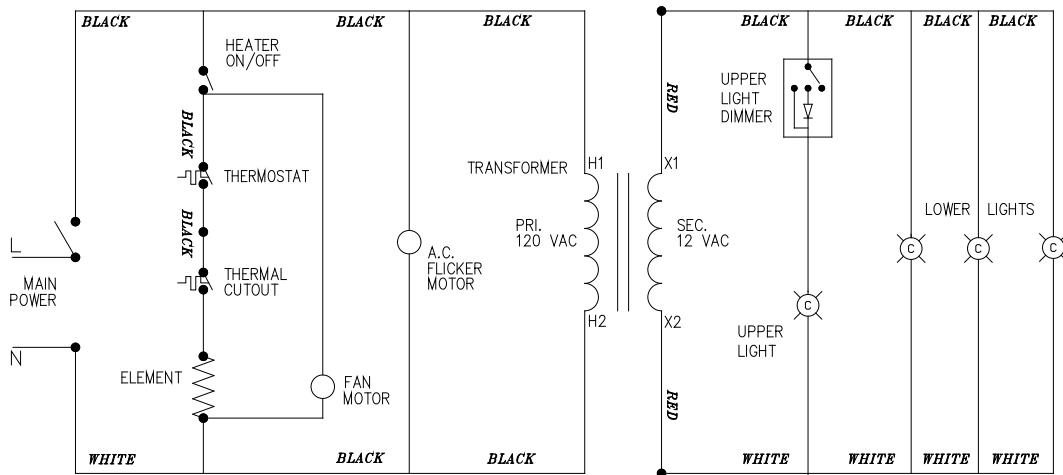
Replacement Panels

	Cream			Flat Black	Gloss Black			Green
	Left Side	Right Side	Top		Left Side	Right Side	Top	
CDS6599	Not Available			Not Available	Not Available			Not Available
TDS7599	1103270581RP	1103270681RP	Not Available		1103270504RP	1103270604RP	Not Available	

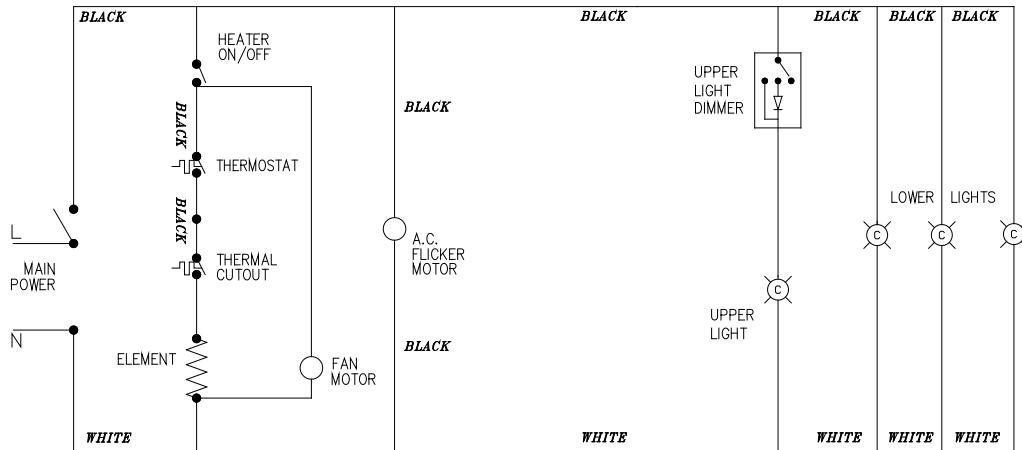
Wiring Diagram - MOD 0-A



Wiring Diagram - MOD B & C



Wiring Diagram - MOD D



Switch Replacement - On/Off and Heater

⚠ WARNING: If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

⚠ WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Remove the 2 screws at the upper corners of the back panel. Lift the back end of the top to clear the brackets and pull back. Lift top carefully, and place to the side of the stove. Caution should be taken as the top mounting brackets may scratch the finish.
3. Locate the switch, that requires replacement, mounted on the rear panel and disconnect the wiring clips and connections, noting their original locations.

! NOTE: A flat head screwdriver can be used to gently pry between the end of the connector and the switch to release the wires.

4. Depress the retainer clips on the rear of the switch and push the switch out of the rear cover.
5. Properly orient the new switch and reconnect all of the wiring clips and connections.

6. Reassemble in the reverse order as above.

Light Dimmer Replacement (MOD 0-C)

⚠ WARNING: If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

⚠ WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

Flat Head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Remove the 2 screws at the upper corners of the back panel. Lift the back end of the top to clear the brackets and pull back. Lift top carefully, and place to the side of the stove. Caution should be taken as the top mounting brackets may scratch the finish.
3. Remove the upper light bulb, the light socket retaining screw and the wiring from the wiring clip mounted to the underside of the top.
4. Locate the light dimmer, mounted on the rear panel, and pull off the control knob.
5. Remove the light dimmer retaining nut.
6. Pull the light dimmer out from the back of the rear panel.
7. Locate the wiring connections for the light dimmer and disconnect the wiring connections, noting their original locations.

! NOTE: In some models you will be required to remove the light cover mounting screws to complete the replacement. Remove the light cover, being careful not to damage any of the wiring or light bulbs.

8. Properly orient the new dimmer and reconnect all of the

wiring clips and connections.

9. Reassemble in the reverse order as above.

Light Dimmer Replacement (MOD D)

⚠ WARNING: If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

⚠ WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Remove the 2 screws at the upper corners of the back panel. Lift the back end of the top to clear the brackets and pull back. Lift top carefully, and place to the side of the stove. Caution should be taken as the top mounting brackets may scratch the finish.
3. Remove the upper light bulb, the light socket retaining screw and the wiring from the wiring clip mounted to the underside of the top.
4. Locate the light dimmer, mounted on the rear panel, and pull off the dimmer control knob.
5. Remove the light dimmer retaining nut.
6. Pull the light dimmer out from the back of the rear panel.
7. Gently place stove on its back on a flat surface.
8. Remove the heater cover retaining screws located on the bottom of the stove and lower heater and light assembly out onto the floor.
9. Remove all of the mounting screws on the heater cover and separate the cover from the heater and light assembly.
10. Locate the wiring connections for the light dimmer and disconnect the wiring connection, noting its original location.
11. Properly orient the new dimmer and reconnect all of the wiring clips and connections.
12. Reassemble in the reverse order as above.

Flicker Motor/Flicker Rod Replacement (Mod 0-A)

⚠ WARNING: If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

⚠ WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Gently place stove front side up on a flat surface.
3. Remove the heater cover retaining screws located on the bottom of the stove.
4. Lift stove back on its feet and remove the 2 screws at the upper corners of the back panel. Lift the back end of the

top to clear the brackets and pull back. Lift top carefully, and place to the side of the stove. Caution should be taken as the top mounting brackets may scratch the finish.

- Remove all of the rear cover retaining screw located at the lower center of the rear cover.
- Remove the light cover, being careful not to damage any of the wiring or light bulbs.
- Pull out on the rear cover, bowing it slightly, and remove it from its mounting slot. When the cover is removed, place it flat behind the stove being careful not to damage any of the wiring.
- Remove the partially reflective glass panel by sliding it up through the top.
- Locate the rear flicker assembly cover and slide it out the open back, exposing the flicker motor and flicker rod assembly.
- Remove the mounting bracket retaining screws and slide the log and ember assembly, with the flicker motor and rod assembly, out through open back.
- Locate the flicker motor and flicker rod assembly and remove the wiring clips and connections located by the heater assembly, noting their original locations.
- Remove the flicker motor mounting screws and pull the assembly out of the mounting bracket.

! NOTE: When removing the Flicker Rod, damage may occur if bent excessively. If the Flicker Rod is damaged, replace to ensure proper operation.

- To remove the flicker rod, attach needle nose pliers to the spring on the motor shaft and pull while rotating in the opposite direction of the spring winding.
- To remove the flicker motor you must first remove the flicker rod (see above). Remove the motor mounting screws and remove motor from the mounting bracket.
- To replace the flicker rod attach needle nose pliers to the flicker rod spring and push onto the flicker motor shaft while rotating in the opposite direction of the spring winding.
- Properly orient the flicker motor and reconnect all of the wiring clips connections in their original locations.
- Reassemble in the reverse order as above.

Flicker Motor/Flicker Rod Replacement (Mod B-D)

! WARNING: If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

! WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver
Needle Nose Pliers

- Remove the stove pipe kit (if equipped).
- Gently place stove on its back on a flat surface.
- Remove the heater cover retaining screws located on the bottom of the stove and lower heater and light assembly

out onto the floor.

- Remove all of the mounting screws on the heater cover and separate the cover from the heater and light assembly.
- Locate the flicker motor and flicker rod assembly and remove the wiring clips and connections located by the heater assembly, noting their original locations.
- Remove the flicker motor mounting screws and pull the assembly out of the mounting bracket.

! NOTE: When removing the flicker motor some damage may occur to the flicker rod. If flicker rod is damaged replace it, to ensure proper operation.

- To remove the flicker rod, attach needle nose pliers to the spring on the motor shaft and pull while rotating in the opposite direction of the spring winding.
- To remove the flicker motor you must first remove the flicker rod (see above). Remove the motor mounting screws and remove motor from the mounting bracket.
- To replace the flicker rod attach needle nose pliers to the flicker rod spring and push onto the flicker motor shaft while rotating in the opposite direction of the spring winding.
- Properly orient the flicker motor and reconnect all of the wiring clips connections in their original locations.
- Reassemble in the reverse order as above.

Thermostat Replacement

! WARNING: If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

! WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

- Remove the stove pipe kit (if equipped).
- Gently place stove front side down on a flat surface.
- Depending on the model, the light cover may need to be removed, being careful not to damage any of the wiring or light bulbs.
- Remove all of the mounting screws on the heater cover and separate the cover from the heater and light assembly.
- Locate the thermostat mounted to the heater cover and disconnect the wiring connections, noting their original locations.
- Pull off the thermostat control knob to expose the mounting screws.
- Remove the mounting screws and remove the thermostat.
- Properly orient the new thermostat and reconnect all of the wires.
- Reassemble in the reverse order as above.

Heater Assembly Replacement

- ⚠ **WARNING:** If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.
- ⚠ **WARNING:** Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Gently place stove front side down on a flat surface.
3. Depending on the model, the light cover may need to be removed, being careful not to damage any of the wiring or light bulbs.
4. Remove the heater cover retaining screws located on the bottom of the stove and lower heater and light assembly out onto the floor.
5. Remove the mounting bracket screws and lower the heater assembly from the bottom of the stove, being careful not to damage any of the wiring.
6. Remove the heater mounting screws and remove the heater assembly.
7. Disconnect the wiring clips and connections, noting their original locations.
8. Properly orient the new heater assembly and reconnect all of the wiring clips and connections.
9. Reassemble in the reverse order as above.

Light Transformer Replacement (Mod 0-A)

- ⚠ **WARNING:** If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.
- ⚠ **WARNING:** Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Gently place stove front side down on a flat surface.
3. Depending on the model, the light cover may need to be removed, being careful not to damage any of the wiring or light bulbs.
4. Remove all of the mounting screws on the heater cover and separate the cover from the heater and light assembly.
5. Remove the mounting bracket screws and lower the heater assembly from the bottom of the stove, being careful not to damage any of the wiring.
6. Remove the heater assembly mounting screws and remove the heater assembly.
7. The transformer is mounted beside the heater assembly. Remove the transformer from the heater-mounting bracket by removing the mounting screws.
8. If still attached, remove the light cover being careful not to damage any of the wiring or light bulbs.
9. Locate the wiring connections for the transformer and

disconnect the wiring connections, noting their original locations.

10. Properly orient the new transformer and reconnect all of the wiring connections.
11. Reassemble in the reverse order as above.

Light Transformer Replacement (Mod B-C)

- ⚠ **WARNING:** If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.
- ⚠ **WARNING:** Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver

1. Remove the stove pipe kit (if equipped).
2. Gently place stove on its back on a flat surface.
3. Remove the heater cover retaining screws located on the bottom of the stove and lower heater and light assembly out onto the floor.
4. Remove all of the mounting screws on the heater cover and separate the cover from the heater and light assembly.
5. The transformer is mounted beside the heater assembly. Locate and remove the mounting screws and remove the transformer from the heater-mounting bracket.
6. Locate the wiring connections for the transformer and disconnect the wiring connections, noting their original locations.
7. Properly orient the new transformer and reconnect all of the wiring connections.
8. Reassemble in the reverse order as above.

! NOTE: MOD D IS NOT EQUIPPED WITH A LIGHT TRANSFORMER

Power Cord Replacement

- ⚠ **WARNING:** If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.
- ⚠ **WARNING:** Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Tools Required: Phillips head Screwdriver
Needle Nose Pliers

1. Remove the stove pipe kit (if equipped).
2. Gently place stove on its back on a flat surface.
3. Depending on the model, the light cover may need to be removed, being careful not to damage any of the wiring or light bulbs.
4. Remove the heater cover retaining screws located in the center of the rear cover and on the bottom of the stove.
5. Remove all of the mounting screws on the heater cover and separate the cover from the heater and light assembly.
6. Locate and disconnect the power cord wiring connec-

tions, noting their original locations.

7. With needle nose pliers grasp the power cord strain relief grommet from inside the heater cover and push while twisting to remove.
8. Pull the power cord out through the hole in the heater cover.
9. Install the new power cord through the hole in the heater cover and connect all of the wiring connections in their original locations.
10. Install the power cord retaining grommet on the power cord and insert into the hole in the heater cover.
11. Reassemble in the reverse order as above.

Troubleshooting Guide

PROBLEM	CAUSE	SOLUTION
General		
Circuit breaker trips or fuse blows when unit is turned on	Short in unit wiring. Improper circuit current rating	Trace wiring in unit. Additional appliances may exceed the current rating of the circuit breaker or fuse. Plug unit into another outlet or install unit on a dedicated 15 amp circuit.
Unit with a Remote Control turns on or off by itself	Remote control has a similar frequency to other remotes in the area. Radio frequency disturbance from outside sources.	Replace Remote Control. Initialize to Remote Control Receiver Replace Remote Control and Receiver where necessary. Initialize Remote Control and Receiver
	Defective Remote Control Receiver	Replace Remote Control Receiver and initialize to Remote Control.
Lights dim in room while the unit is on	Unit is drawing close to circuit current rating	Move the unit to another outlet or install unit on a dedicated 15 amp circuit
Power cord gets warm	Normal Operation Defective power cord	The power cord may get slightly warm to the touch when the heater is on Replace power cord if cord gets hot to the touch.
Fireplace seems dark	Improper operation Defective Light Dimmer	Refer to Operation Section Replace Light Dimmer Components
Appearance		
Fireplace does not turn on Manually	Improper operation No incoming voltage from the electrical wall socket Loose wiring Defective On/Off Switch	Refer to Operation Section Check Fuse/Breaker Panel Check wiring connections Replace switch
Fireplace does not turn on using the Remote Control (If Applicable)	Improper operation Remote control not initialized to fireplace Remote Control not working	Refer to Operation Section Initialize the remote control Install new battery into the Remote Control. Initialize Remote Control and Receiver, where necessary Replace Remote Control or Receiver where necessary. Initialize Remote Control and Receiver.
Flame Frozen	Defective Flicker Motor Loose wiring	Replace Flicker Motor Check wiring connections
Flame not bright or flame not visible	Burnt out light bulbs Loose wiring Defective light harness	Replace light bulbs Check wiring connections Replace light harness
Log set dim, not glowing	Burnt out light bulbs	Replace burnt out light bulbs
Flame Shudder	Defective flicker motor	Replace flicker motor
Light leaking around the log set	Log set not positioned properly	Check log set for proper fit
Upper and Lower Lights not working (Mod 0-C)	Defective transformer	Replace Transformer

PROBLEM	CAUSE	SOLUTION
Heater		
Heater is not turning off	Improper operation	Refer to Operation Section
	Defective Heater Switch	Replace Heater Switch
	Defective Thermostat	Replace Thermostat
Heater is not turning on	Improper operation	Refer to Operation Section
	Loose Wiring	Trace wiring in unit
	Defective Heater Switch	Replace Heater Switch
	Defective Thermostat	Replace Thermostat
Heater is turning off after a couple of minutes of operation	Build up of dirt/dust in Heater Assembly	Ensure that exterior intake louvers and firebox cavity are free of dirt/dust.
	Defective Heater Assembly	Replace Heater Assembly
Heater emits an odor	Normal Operation	Normal operation is when the heater emits an odor for a brief period after the heater is initially turned on. The heater is burning off any dust accumulated during manufacturing or operation.
	Defective Heater Assembly	Replace Heater Assembly
Heater fan turns on but heater lacks heat	Improper operation	Refer to Operation Section
	Loose wiring	Trace wiring in unit
	Defective Thermostat	Replace Thermostat
	Defective Heater Assembly	Replace Heater Assembly
Heating element is glowing red	Normal Operation	Small glowing sections of the element are considered normal.
	Defective heater assembly	If larger glowing sections are causing the heater to trip the thermal cutout, unplug unit, discontinue use and replace heater assembly.
Noise		
Excessive noise with the heater on	Dirty Heater Assembly	Ensure that exterior intake louvers and firebox cavity are free of dirt/dust.
	Defective Heater Assembly	Replace Heater Assembly
Grinding or excessive noise with the heater off	Flicker rod hitting or rubbing against internal components	Ensure rod is straight and mounted properly in the bracket, spinning freely away from other components. Replace if necessary.
	Defective Flicker Motor	Replace Flicker Motor